

EADAS TRAFFIC DATA CONVERTER (ETDC) SD-3B213-01

TESTS OF ETDC AT ETDC LOCATION

ENGINEERING AND ADMINISTRATIVE DATA ACQUISITION SYSTEM (EADAS)

1. GENERAL

PAGE

1.01 This section describes a method of performing local tests of the EADAS Traffic Data Converter (ETDC), SD-3B213-01.

to encode a pulsed input lead into a unique binary word (address). . . . 7

1.02 The reasons for reissuing this section are listed below. Revision arrows are used to emphasize the more significant changes. Equipment Test Lists are not affected.

1.04 The tests in this section are usually performed when tests in Section 190-510-211 have failed. However, if it is desired, these tests can be performed on a routine basis.

(1) To include testing of the high-resolution usage card (AR646) into a previously established test

Caution: Before any of the tests in this section are performed, it is important that consideration be given to the data which is blocked while the ETDC is being tested. The maintenance personnel at the EADAS CU location should be informed of any testing which is done at the ETDC location prior to beginning tests.

(2) To include testing of the multiscan usage card (AR762) into a previously established test

(3) To rearrange Detector Test sequence of Traffic Usage Recorder (TUR).

1.03 The tests covered are:

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A. Control Command Check: This test checks the ability of the ETDC to generate control commands, and then verifies that the command generated performs its required task. 2

1.05 Refer to Section 190-510-214 or 190-510-215 for connection verification tests of the ETDC.

1.06 The tests in this section check normal operating functions of the ETDC. If a test fails and it cannot be ascertained what caused the failure, refer to Section 190-510-213 (Trouble-Locating Procedures).

B. Alarms: This test checks the ability of the ETDC to activate power interrupt and carrier failure alarms by simulating respective trouble conditions. 6

1.07 **Lettered Steps:** A letter a, b, c, etc, added to a step number in Part 4 of this section indicates an action which may or may not be required depending on local conditions. The condition under which a lettered step or a series of lettered steps should be made is given in the ACTION column, and all steps governed by the same condition are designated by the same letter

C. Input Card Verification: This test checks the ability of the ETDC

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within a test. Where a condition does not apply, all steps designated by that letter should be omitted.

1.08 The input pulser circuit must be kept in a horizontal position (switches upward) during operation.

2. APPARATUS

Tests A and C

2.01 ETDC input verification test set, SD-3B236-01.

2.02 EADAS input pulser, SD-3B221-01.

3. PREPARATION

STEP	ACTION	VERIFICATION
All Tests		

1	Obtain release of ETDC from personnel at the EADAS CU.	
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4. METHOD

STEP	ACTION	VERIFICATION
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A. Control Command Check

2	Connect the ETDC input verification test set to the TST connector.	
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3	Connect the ETDC input verification test set power cord to -48V supply.	
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4	At ETDC input verification test set— Operate PWR switch to ON.	
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5a	If ETDC is equipped with usage cards (AR638) or discrete cards (AR635)— At ETDC— Operate PWR switch to OFF.	PWR INT lamp lighted. Audible alarm remains silent.
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6a	At ETDC— Remove all usage card (AR638) and discrete card (AR635) circuit packs.	
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7a	Operate PWR switch to ON.	PWR INT lamp extinguished.
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8	Set A0 through A3 switches to 0-0-0-0, respectively.	
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9	Operate LT1 to LCL.	
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10	Operate LT2 to LCL.	
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11	Set A0 through A3 switches to 0-0-0-1, respectively. ♦(Restore command.)♦	
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STEP	ACTION	VERIFICATION
12	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) extinguished.
13	Set A0 through A3 switches to 1-0-1-0, respectively. ♦(Clear usage command.)♦	
14	Momentarily operate TST switch to TST.	
15	At ETDC input verification test set— Set NORMAL-EXTENDED switch to EXTENDED.	
16	At ETDC— Set A0 through A3 switches to 1-1-1-0, respectively. ♦(Inhibit command.)♦	
17	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) lighted.
18	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
19	Momentarily operate BIN RESET pushbutton.	
20	Restore CLEAR/RUN switch to RUN.	NO. WORDS counter on input verification test card does not indicate any counts.
21b	If testing home ETDC unit— At ETDC— Set A0 through A3 switches to 0-1-1-0, respectively. ♦(Busy command—home TDC.)♦ Note: All home ETDC units have a data set in slot DSH.	
22c	If testing remote ETDC unit— At ETDC— Set A0 through A3 switches to 1-0-0-1, respectively. ♦(Busy command—remote TDC.)♦	
23	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) remains lighted. After count cycle ends— NO. WORDS counter on input verification test card indicates as follows: Number of scaled peg count (AR647), nonscaled peg count (AR633), multiscan usage (AR762) ♦and high resolution scan (AR646)♦ cards times 32 minus 2.
24a	If ETDC is equipped with usage cards (AR638) or discrete cards (AR635)— At ETDC— Operate PWR switch to OFF.	PWR INT lamp lighted.

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STEP	ACTION	VERIFICATION
25a	Reseat all usage cards (AR638) and all discrete cards (AR635) in their connectors.	
26a	Restore PWR switch to ON.	PWR INT lamp extinguished.
27a	Repeat Steps 11 through 23.	
28a	After a minimum of 40 seconds— At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
29a	Operate CLEAR/RUN switch to RUN.	NO. WORDS lamp on input verification card indicates approximately one count per input lead every 20 seconds for all usage cards (AR638) and all discrete cards (AR635). <i>Note:</i> Example—If ETDC is equipped with ten (total) discrete and usage cards, NO. WORDS lamp would indicate 320.
30d	If TUR test is <i>not</i> to be done— At ETDC— Set A0 through A3 switches to 0-0-0-1, respectively. ♦(Restore command.)♦	
31d	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) extinguished.
32d	Set A0 through A3 switches to 0-0-0-0, respectively.	
33d	Operate LT2 switch to RMT.	
34d	Operate LT1 switch to RMT.	

TUR Test

35e	If TUR test is to be performed— ♦At ETDC— Set A0 through A3 switches to 0-0-0-1, respectively. (Restore command.)	
36e	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) extinguished.
37e	Set A0 through A3 switches to 1-0-1-0, respectively. (Clear usage command.)	
38e	Momentarily operate TST switch to TST.	
39e	After approximately 2 minutes— Set A0 through A3 switches to 1-1-0-0, respectively. (Detector Test command.)	

STEP	ACTION	VERIFICATION
40e	Momentarily operate TST switch to TST.	At TUR— DTA relay operated. DTB relay and/or ASB relay operated (if equipped).
41e	Set A0 through A3 switches to 1-0-0-0, respectively. (TUR on command.)	
42e	Momentarily operate TST switch to TST.	AT TUR— ON relay operated.
43e	Set A0 through A3 switches to 0-1-0-0, respectively. (TUR scan command.)	
44e	Momentarily operate TST switch to TST.	TUR does not scan.
45e	After approximately 2 minutes— Momentarily operate TST switch to TST again.	TUR associated with ETDC under test scans once.◆
46b	If testing home ETDC unit— Set A0 through A3 switches to 0-1-0-1, respectively. ◆(Test Scan-Home TDC.)◆	
47f	If testing remote ETDC No. 1— Set A0 through A3 switches to 1-1-0-1, respectively. ◆(Test Scan-Remote 1.)◆	
48g	If testing remote ETDC No. 2— Set A0 through A3 switches to 0-0-1-1, respectively. ◆(Test Scan-Remote 2.)◆	
49h	If testing remote ETDC No. 3— Set A0 through A3 switches to 1-0-1-1, respectively. ◆(Test Scan-Remote 3.)◆	
50i	If testing remote ETDC No. 4— Set A0 through A3 switches to 0-1-1-1, respectively. ◆(Test Scan-Remote 4.)◆	
51j	If testing remote ETDC No. 5— Set A0 through A3 switches to 1-1-1-1, respectively. ◆(Test Scan-Remote 5.)◆	
52	After approximately 2 minutes— Momentarily operate TST switch to TST.	TUR associated with ETDC unit under test starts scanning.
53	Set A0 through A3 switches to 1-0-1-0, respectively. ◆(Clear usage command.)◆	
54	Momentarily operate TST switch to TST.	TUR associated with ETDC unit under test stops scanning.

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STEP	ACTION	VERIFICATION
55	Set A0 through A3 switches to 0-0-0-0, respectively.	
56	Set LT2 switch to RMT.	
57	Set LT1 switch to RMT.	
B. Alarms		
2	Operate PWR switch to OFF.	PWR INT lamp lighted. Audible alarm remains silent.
3	Operate PWR switch to ON.	PWR INT lamp extinguished.
4	Set A0 through A3 switches to 0-0-0-0, respectively.	
5	Operate LT1 switch to LCL.	
6	Operate LT2 switch to LCL.	
7	Set A0 through A3 switches to 0-0-0-1, respectively. ♦(Restore command.)♦	
8	Momentarily operate TST switch to TST.	TST lamp on CP 11 (AR643) extinguished.
9	Set A0 through A3 switches to 1-0-1-0, respectively. ♦(Clear usage command.)♦	
10	Momentarily operate TST switch to TST.	
11	Set A0 through A3 switches to 0-0-0-0, respectively.	
12	Set LT2 switch to RMT.	
13	Set LT1 switch to RMT.	
14	Remove PF fuse.	PWR INT and ALM lamps lighted. Audible alarm sounds.
15	Operate ACO switch to ALM OFF.	ACO lamp lighted. Audible alarm silenced.
16	Replace PF fuse.	PWR INT and ALM lamps extinguished.
17	Operate ACO switch to ALM ON.	ACO lamp extinguished.
18a	If testing home ETDC unit— At DSH data set— Depress and hold LT button for approximately 20 seconds.	At ETDC— CF and ALM lamps lighted. Audible alarm sounds. All lamps on data set lighted and should not

STEP	ACTION	VERIFICATION
		flicker. After LT restored to normal— CF and ALM lamps extinguished. Audible alarm silenced.
19b	If testing an ETDC equipped for operation with remote ETDC No. 1— At DSR-1 data set— Depress and hold LT button for approximately 20 seconds.	Same as Step 18a.
20c	If testing an ETDC equipped for operation with remote ETDC No. 2— At DSR-2 data set— Depress and hold LT button for approximately 20 seconds.	Same as Step 18a.
21d	If testing an ETDC equipped for operation with remote ETDC No. 3— At DSR-3 data set— Depress and hold LT button for approximately 20 seconds.	Same as Step 18a.
22e	If testing an ETDC equipped for operation with remote ETDC No. 4— At DSR-4 data set— Depress and hold LT button for approximately 20 seconds.	Same as Step 18a.
23f	If testing an ETDC equipped for operation with remote ETDC No. 5— At DSR-5 data set— Depress and hold LT button for approximately 20 seconds.	Same as Step 18a.
C. Input Card Verification		
2	Connect the ETDC input verification test set to the TST connector.	
3	Connect the ETDC input verification test set power cord to -48V supply.	
4	At ETDC input verification test set— Operate PWR switch to ON.	
5	At ETDC input verification test set— Operate NORMAL/EXTENDED switch to NORMAL.	
6	Set VT switch on CP 17 (AR649) to NOR.	TST lamp on CP 11 (AR643) extinguished.

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STEP	ACTION	VERIFICATION
7	Plug ETDC input pulser into 110 Vac. <i>Note:</i> ETDC input pulser must be kept in a horizontal position (switches upward) during operation.	READY lamp lighted.
8	At input pulser— Set START/CLR switch to CLR.	
9	Set +18/GRD switch to GRD.	
10	Set SEL/10X switch to 10X.	
11	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
12	Restore CLEAR/RUN switch to RUN.	
13	Set REGISTER NUMBER selection controls to correspond with input lead to be verified. <i>Note:</i> If equipped with option J, see Table A for REGISTER-INNET number. If equipped with option G, REGISTER number and INNET number are synonymous.	
14a	If verifying inputs associated with peg count input cards (AR633)— Connect the PULSE output of the ETDC input pulser to INNET number corresponding to input being verified. Connect GRD lead to frame ground. See Fig. 1 for terminal locations when equipped with option G.	
15a	Restore START/CLR switch on the ETDC input pulser to START.	At ETDC input verification test set— NO. MATCHES counter indicates approximately 10.
16a	At ETDC input pulser— Set START/CLR switch to CLR.	
17a	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
18a	Restore CLEAR/RUN switch to RUN.	
19b	If verifying inputs associated with usage cards (AR638)— Connect ground to INNET terminal corresponding to input being verified.	After a maximum of 100 seconds— At ETDC input verification test set, NO. MATCHES counter on input verification card indicates 1. Every 100 seconds thereafter— NO. MATCHES counter increments 1.

STEP	ACTION	VERIFICATION
20b	Remove ground from INNET terminal corresponding to lead being verified.	NO. MATCHES counter stops incrementing.
21b	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
22b	Restore CLEAR/RUN switch to RUN.	
23c	If verifying inputs associated with discrete cards (AR635)— Connect ground to INNET terminal corresponding to input being verified.	After a maximum of 10 seconds— At ETDC input verification test set— NO. MATCHES counter on input verification card indicates 1. Every 10 seconds thereafter— NO. MATCHES counter increments 1.
24c	After approximately 1-minute interval— Remove ground from INNET terminal corresponding to lead being verified.	
25c	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
26c	Restore CLEAR/RUN switch to RUN.	
27d	◆If verifying inputs associated with high resolution 10-second usage cards (AR646)— Connect ground to INNET terminal corresponding to input being verified.	After a maximum of 10 seconds— At ETDC input verification test set— NO. MATCHES counter on input verification card indicates 1. Every 10 seconds thereafter— NO. MATCHES counter increments 1.
28d	After approximately 1-minute interval— Remove ground from INNET terminal corresponding to lead being verified.	
29d	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
30d	Restore CLEAR/RUN switch to RUN.◆	
31d	At ETDC input pulser— Set START/CLR switch to CLR.	
32e	If verifying inputs associated with scaled peg count cards (AR647)— Connect the PULSE lead of the ETDC input pulser to INNET terminal corresponding to input being verified. Connect GRD lead to frame ground.	

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STEP	ACTION	VERIFICATION
33e	At ETDC input pulser— Restore START/CLR switch to START.	At ETDC input verification test set— NO. MATCHES counter on input verification card indicates 1.
34e	Set START/CLR switch to CLR.	
35f	◆If verifying inputs associated with multiscan usage cards (AR762)— Connect ground to INNET terminal corresponding to input being verified.	After a minimum of 1.8 seconds— At ETDC input verification test set— NO. MATCHES counter on input verification card indicates 1. Every 1.8 seconds thereafter— NO. MATCHES counter increments 1. (If option YF is used— Match will be every 1.0 seconds. If option YG is used— Match will be every 3.6 seconds.)
36f	After approximately 1-minute interval— Remove ground from INNET terminal corresponding to lead being verified.	
37f	At ETDC input verification test set— Operate CLEAR/RUN switch to CLEAR.	
38f	Restore CLEAR/RUN switch to RUN.◆	
39	Remove power from input pulser; remove all input pulser test cords.	
40	At ETDC input verification test set— Operate PWR switch to OFF.	
41	Remove power cord from -48V supply.	
42	Remove ETDC input verification test set from the TST connector.	

TABLE A

Note: These tables are used for J option only. With G option the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
0		000
1		010
2		020
3		030
4		040
5		050
6		060
7		070
8		080
9		090
10		100
11		110
12		120
13		130
14		140
15		150
16		001
17		011
18		021
19		031
20	0	041
21		051
22		061
23		071
24		081
25		091
26		101
27		111
28		121
29		131
30		141
31		151
32		002
33		012
34		022
35		032
36		042
37		052
38		062
39		072
40		082
41		092
42		102
43		112
44		122
45		132
46		142
47		152

REGISTER NO.	INNET	
	NO.	TERM
48		003
49		013
50		023
51		033
52		043
53		053
54		063
55		073
56		083
57		093
58		103
59		113
60		123
61		133
62		143
63		153
64		005
65		015
66		025
67		035
68	0	045
69		055
70		065
71		075
72		085
73		095
74		105
75		115
76		125
77		135
78		145
79		155
80		006
81		016
82		026
83		036
84		046
85		056
86		066
87		076
88		086
89		096
90		106
91		116
92		126
93		136
94		146
95		156

REGISTER NO.	INNET	
	NO.	TERM
96		007
97		017
98		027
99		037
100		047
101		057
102		067
103	0	077
104		087
105		097
106		107
107		117
108		127
109		137
110		147
111		157
112		000
113		010
114		020
115		030
116		040
117		050
118		060
119		070
120		080
121		090
122		100
123		110
124		120
125		130
126		140
127		150
128	1	001
129		011
130		021
131		031
132		041
133		051
134		061
135		071
136		081
137		091
138		101
139		111
140		121
141		131
142		141
143		151

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
144		002
145		012
146		022
147		032
148		042
149		052
150		062
151		072
152		082
153		092
154		102
155		112
156		122
157		132
158		142
159		152
160		003
161		013
162		023
163		033
164		043
165		053
166	1	063
167		073
168		083
169		093
170		103
171		113
172		123
173		133
174		143
175		153
176		005
177		015
178		025
179		035
180		045
181		055
182		065
183		075
184		085
185		095
186		105
187		115
188		125
189		135
190		145
191		155

REGISTER NO.	INNET	
	NO.	TERM
192		006
193		016
194		026
195		036
196		046
197		056
198		066
199		076
200		086
201		096
202		106
203		116
204		126
205		136
206	1	146
207		156
208		007
209		017
210		027
211		037
212		047
213		057
214		067
215		077
216		087
217		097
218		107
219		117
220		127
221		137
222		147
223		157
224		000
225		010
226		020
227		030
228		040
229		050
230		060
231		070
232	2	080
233		090
234		100
235		110
236		120
237		130
238		140
239		150

REGISTER NO.	INNET	
	NO.	TERM
240		001
241		011
242		021
243		031
244		041
245		051
246		061
247		071
248		081
249		091
250		101
251		111
252		121
253		131
254		141
255		151
256		022
257		012
258		022
259		032
260		042
261		052
262		062
263	2	072
264		082
265		092
266		102
267		112
268		122
269		132
270		142
271		152
272		003
273		013
274		023
275		033
276		043
277		053
278		063
279		073
280		083
281		093
282		103
283		113
284		123
285		133
286		143
287		153

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
288	2	005
289		015
290		025
291		035
292		045
293		055
294		065
295		075
296		085
297		095
298		105
299		115
300		125
301		135
302		145
303		155
304		006
305		016
306		026
307		036
308		046
309		056
310		066
311		076
312		086
313		096
314		106
315		116
316		126
317		136
318		146
319		156
320		007
321		017
322		027
323	037	
324	047	
325	057	
326	067	
327	077	
328	087	
329	097	
330	107	
331	117	
332	127	
333	137	
334	147	
335	157	

REGISTER NO.	INNET	
	NO.	TERM
336	3	000
337		010
338		020
339		030
340		040
341		050
342		060
343		070
344		080
345		090
346		100
347		110
348		120
349		130
350		140
351		150
352		001
353		011
354		021
355		031
356		041
357		051
358		061
359		071
360		081
361		091
362		101
363		111
364		121
365		131
366		141
367		151
368		002
369		012
370		022
371	032	
372	042	
373	052	
374	062	
375	072	
376	082	
377	092	
378	102	
379	112	
380	122	
381	132	
382	142	
383	152	

REGISTER NO.	INNET	
	NO.	TERM
384	3	003
385		013
386		023
387		033
388		043
389		053
390		063
391		073
392		083
393		093
394		103
395		113
396		123
397		133
398		143
399		153
400		005
401		015
402		025
403		035
404		045
405		055
406		065
407		075
408		085
409		095
410		105
411		115
412		125
413		135
414		145
415		155
416		006
417		016
418		026
419	036	
420	046	
421	056	
422	066	
423	076	
424	086	
425	096	
426	106	
427	116	
428	126	
429	136	
430	146	
431	156	

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
432	3	007
433		017
434		027
435		037
436		047
437		057
438		067
439		077
440		087
441		097
442		107
443		117
444		127
445		137
446		147
447		157
448		000
449		010
450		020
451		030
452		040
453		050
454		060
455		070
456		080
457		090
458		100
459		110
460		120
461		130
462		140
463		150
464		4
465	011	
466	021	
467	031	
468	041	
469	051	
470	061	
471	071	
472	081	
473	091	
474	101	
475	111	
476	121	
477	131	
478	141	
479	151	

REGISTER NO.	INNET	
	NO.	TERM
480	4	002
481		012
482		022
483		032
484		042
485		052
486		062
487		072
488		082
489		092
490		102
491		112
492		122
493		132
494		142
495		152
496		003
497		013
498		023
499		033
500		043
501		053
502		063
503		073
504		083
505		093
506		103
507		113
508		123
509		133
510		143
511		153
512		005
513	015	
514	025	
515	035	
516	045	
517	055	
518	065	
519	075	
520	085	
521	095	
522	105	
523	115	
524	125	
525	135	
526	145	
527	155	

REGISTER NO.	INNET	
	NO.	TERM
528	4	006
529		016
530		026
531		036
532		046
533		056
534		066
535		076
536		086
537		096
538		106
539		116
540		126
541		136
542		146
543		156
544		007
545		017
546		027
547		037
548		047
549		057
550		067
551		077
552		087
553		097
554		107
555		117
556		127
557		137
558		147
559		157
560		5
561	010	
562	020	
563	030	
564	040	
565	050	
566	060	
567	070	
568	080	
569	090	
570	100	
571	110	
572	120	
573	130	
574	140	
575	150	

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
576	5	001
577		011
578		021
579		031
580		041
581		051
582		061
583		071
584		081
585		091
586		101
587		111
588		121
589		131
590		141
591		151
592		002
593		012
594		022
595		032
596		042
597		052
598		062
599		072
600		082
601		092
602		102
603		112
604		122
605		132
606		142
607		152
608		003
609		013
610		023
611		033
612		043
613		053
614		063
615		073
616	083	
617	093	
618	103	
619	113	
620	123	
621	133	
622	143	
623	153	

REGISTER NO.	INNET	
	NO.	TERM
624	5	005
625		015
626		025
627		035
628		045
629		055
630		065
631		075
632		085
633		095
634		105
635		115
636		125
637		135
638		145
639		155
640		006
641		016
642		026
643		036
644		046
645		056
646		066
647		076
648		086
649		096
650		106
651		116
652		126
653		136
654		146
655		156
656		007
657		017
658		027
659		037
660		047
661		057
662		067
663		077
664	087	
665	097	
666	107	
667	117	
668	127	
669	137	
670	147	
671	157	

REGISTER NO.	INNET	
	NO.	TERM
672	6	000
673		010
674		020
675		030
676		040
677		050
678		060
679		070
680		080
681		090
682		100
683		110
684		120
685		130
686		140
687		150
688		001
689		011
690		021
691		031
692		041
693		051
694		061
695		071
696		081
697		091
698		101
699		111
700		121
701		131
702		141
703		151
704		002
705		012
706		022
707		032
708		042
709		052
710		062
711		072
712	082	
713	092	
714	102	
715	112	
716	122	
717	132	
718	142	
719	152	

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
720	6	003
721		013
722		023
723		033
724		043
725		053
726		063
727		073
728		033
729		093
730		103
731		113
732		123
733		133
734		143
735		153
736		005
737		015
738		075
739		035
740		045
741		055
742		065
743		075
744		085
745		095
746		105
747		115
748		125
749		135
750		145
751		155
752		006
753		016
754		026
755		036
756		046
757		056
758		066
759		076
760		086
761		096
762		106
763		116
764		126
765		136
766		146
767	156	

REGISTER NO.	INNET	
	NO.	TERM
768	6	007
769		017
770		027
771		037
772		047
773		057
774		067
775		077
776		087
777		097
778		107
779		117
780		127
781		137
782		147
783		157
784		7
785	010	
786	020	
787	030	
788	040	
789	050	
790	060	
791	070	
792	080	
793	090	
794	100	
795	110	
796	120	
797	130	
798	140	
799	150	
800	001	
801	011	
802	021	
803	031	
804	041	
805	051	
806	061	
807	071	
808	081	
809	091	
810	101	
811	111	
812	121	
813	131	
814	141	
815	151	

REGISTER NO.	INNET	
	NO.	TERM
816	7	002
817		012
818		022
819		032
820		042
821		052
822		062
823		072
824		082
825		092
826		102
827		112
828		122
829		132
830		142
831		152
832		003
833		013
834		023
835		033
836		043
837		053
838		063
839		073
840		083
841		093
842		103
843		113
844		123
845		133
846		143
847		153
848		005
849		015
850		025
851		035
852		045
853		055
854		065
855		075
856		085
857		095
858		105
859		115
860		125
861		135
862		145
863	155	

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET		
	NO.	TERM	
864	7	006	
865		016	
866		026	
867		036	
868		046	
869		056	
870		066	
871		076	
872		086	
873		096	
874		106	
875		116	
876		126	
877		136	
878		146	
879		156	
880		007	
881		017	
882		027	
883		037	
884		047	
885		057	
886		067	
887		077	
888		087	
889		097	
890		107	
891		117	
892		127	
893		137	
894		147	
895		157	
896		8	000
897			010
898			020
899			030
900	040		
901	050		
902	060		
903	070		
904	080		
905	090		
906	100		
907	110		
908	120		
909	130		
910	140		
911	150		

REGISTER NO.	INNET	
	NO.	TERM
912	8	001
913		011
914		021
915		031
916		041
917		051
918		061
919		071
920		081
921		091
922		101
923		111
924		121
925		131
926		141
927		151
928		002
929		012
930		022
931		032
932		042
933		052
934		062
935		072
936		082
937		092
938		102
939		112
940		122
941		132
942		142
943		152
944	003	
945	013	
946	023	
947	033	
948	043	
949	053	
950	063	
951	073	
952	083	
953	093	
954	103	
955	113	
956	123	
957	133	
958	143	
959	153	

REGISTER NO.	INNET	
	NO.	TERM
960	8	005
961		015
962		025
963		035
964		045
965		055
966		065
967		075
968		085
969		095
970		105
971		115
972		125
973		135
974		145
975		155
976		006
977		016
978		026
979		036
980		046
981		056
982		066
983		076
984		086
985		096
986		106
987		116
988		126
989		136
990		146
991		156
992		007
993		017
994		027
995		037
996		047
997	057	
998	067	
999	077	
1000	087	
1001	097	
1002	107	
1003	117	
1004	127	
1005	137	
1006	147	
1007	157	

TABLE A (Contd)

Note: These tables are used for J option only. With G option, the REGISTER NO. and the INNET TERM are synonymous. See Fig. 1 for INNET terminal arrangement with G option.

REGISTER NO.	INNET	
	NO.	TERM
1008	9	000
1009		010
1010		020
1011		001
1012		011
1013		021
1014		002
1015		012
1016		022
1017		003
1018		013
1019		023
1020		005
1021		015
1022		025
1023	006	

